

L4 ANSWER 26 OF 52 CA COPYRIGHT 2003 ACS

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TI Binders for inorganic **zinc** powder paints

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PA Kansai Paint Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 7 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

IC C09D001-02

CC 42-2 (Coatings, Inks, and Related Products)

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PI	JP 51150533	A2	19761224	JP 1975-75197	19750619
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	JP 57031752	B4	19820706		
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PRAI	JP 1975-75197		19750619		
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AB Binders for powd. Zn paints were prep'd. by dissolving Zn or Zn compds. in aq. soln. of silicates ($\text{Na}_2\text{O} \cdot n\text{SiO}_2$ or $\text{K}_2\text{O} \cdot n\text{SiO}_2$, $n = 1-3.5$) to Zn-Na₂O or Zn-K₂O **molar ratio** apprx. 0.005-0.4 and mixing with

silica to $\text{SiO}_2\text{-Na}_2\text{O}$ or $\text{SiO}_2\text{-K}_2\text{O}$ **molar ratio**

.apprx. 3.5-5. Thus, 4.1 g ZnO was dissolved in 811 g aq. K **silicate** (41.degree. Be) at 100.degree. and mixed with 689 g aq. 7% colloidal **silica** at 100.degree. to prep. a binder.

ST powd **zinc** paint binder; **silicate** binder **zinc**
paint